

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1-21 (canceled)

22.(currently amended)An information record medium, which can be recorded by an information recording apparatus or which can be reproduced by an information reproducing apparatus, on which there are recorded:

a plurality of content informations; and a plurality of first informations ~~play list sets~~ each indicating ~~including~~ a plurality of play list informations each defining reproduction sequence of one part of the plurality of content informations, wherein some of the a ~~a~~ plurality of content informations, ~~whose reproduction sequences are defined by the plurality of play list informations in a same play list set among the plurality of play list sets,~~ are different from each other in reproduction functions required for an information reproduction system to reproduce the plurality of content informations and are adapted to at least partially construct title titles, ~~each of which~~ is a logically united information unit, reproduction sequence of said some of the plurality of content informations are defined by the plurality of play list informations indicated by one of the first informations

~~and which are same to each other.~~

23. (previously presented) The information record medium according to claim 22, wherein required function information indicating the reproduction function is further recorded for each of the plurality of play list informations.

24. (previously presented) The information record medium according to claim 22, wherein the plurality of content informations include vide information and audio information, and the reproduction function is a video reproduction performance and an audio reproduction performance required for the information reproduction system.

25. (previously presented) The information record medium according to claim 24, wherein the required function information is of information, which indicates the video reproduction performance and the audio reproduction performance and is recorded for each of the plurality of play list informations.

26. (previously presented) The information record medium according to claim 25, wherein priority information indicating which of the video reproduction performance and the audio reproduction performance is to be prioritized is further recorded.

27. (previously presented)The information record medium according to claim 24, wherein the required function information comprises a required function information table in which information indicating whether or not different video reproduction performances are required for each of predetermined ranks and information indicating whether or not different audio reproduction performances are required for each of predetermined ranks are arranged vertically and horizontally as a matrix.

28. (previously presented)The information record medium according to claim 27, wherein priority information indicating a priority among various combination of said video reproduction performances different for each of said predetermined ranks and said audio reproduction performances different for each of said predetermined ranks is further recorded.

29. (previously presented)The information record medium according to claim 22, wherein each of the play list informations includes pointer information designating item information, which is a logically accessible reproduction unit and composes the content information.

30. (currently amended)The information record medium according to claim 22, wherein title information designating at least one first information ~~play list set~~ from among the plurality of first

~~informations-play-list-sets~~, which corresponds to the content information to be reproduced, is further recorded to reproduce the plurality of content informations as the title.

31. (currently amended)The information record medium according to claim 30, wherein the title information includes pointer information designating at least one ~~first information-play-list set~~, which corresponds to the content information to be reproduced.

32. (previously presented)The information record medium according to claim 22, wherein a whole stream including a plurality of partial streams made of the plurality of content informations is multiplexed by a packet unit which is a physically accessible unit and stores pieces of the plurality of content informations, and relationship definition information defining a relationship between packets to be multiplexed and the plurality of partial streams is further recorded, as reproduction control information to control a reproduction of the plurality of content informations.

33.(currently amended)An information record apparatus comprising: a first record device for recording a plurality of content informations; and a second record device for recording a plurality of ~~first informations-play-list-sets~~ each ~~indicating-including~~ a

plurality of play list informations each defining reproduction sequence of one part of the plurality of content informations, wherein some of the ~~a plurality of content informations, whose reproduction sequences are defined by the plurality of play list informations in a same play list set among the plurality of play list sets,~~ are different from each other in reproduction functions required for an information reproduction system to reproduce the plurality of content informations and are adapted to at least partially construct title titles, ~~each of~~ which is a logically united information unit, reproduction sequence of said some of the plurality of content informations are defined by the plurality of play list informations indicated by one of the first informations ~~and which are same to each other.~~

34. (previously presented) The information record apparatus according to claim 33, wherein said apparatus further comprises a third record device for further recording required function information indicating the reproduction function for each of the plurality of play list informations.

35. (currently amended) An information record method, which is performed by an information record apparatus, comprising:
a first record process of recording a plurality of content informations; and a second record process of recording a plurality of first informations ~~play list sets~~ each indicating ~~including~~ a

plurality of play list informations each defining reproduction sequence of one part of the plurality of content informations, wherein some of the a-plurality of content informations, ~~whose reproduction sequences are defined by the plurality of play list informations in a same play list set among the plurality of play list sets,~~ are different from each other in reproduction functions required for an information reproduction system to reproduce the plurality of content informations and are adapted to at least partially construct title titles, ~~each of~~ which is a logically united information unit, reproduction sequence of said some of the plurality of content informations are defined by the plurality of play list informations indicated by one of the first informations ~~and which are same to each other.~~

36. (previously presented)The information record method according to claim 35, wherein said method further comprises a third record process of further recording required function information indicating the reproduction function for each of the plurality of play list informations.

37. (currently amended)An information reproduction apparatus for reproducing the information record medium according to claim 22, said apparatus comprising:

a reproduction device capable of reproducing the plurality of content informations, and the plurality of first informations play

~~list sets and the play list informations;~~ and a control device for selecting one play list information ~~defining the reproduction sequence of the content information reproducible by the information reproduction apparatus,~~ from among the plurality of play list informations indicated by one of the first informations ~~included in the same play list set on the basis of reproduction function of the information reproduction apparatus,~~ and controlling the reproduction device to reproduce the content information in accordance with ~~the reproduction sequence defined by the~~ selected play list information.

38. (previously presented)The information reproduction apparatus according to claim 37, wherein the plurality of content information include video information and audio information, and the reproduction function is a video reproduction performance and an audio reproduction performance required for the information reproduction system.

39. (currently amended)An information reproduction apparatus for reproducing the information record medium according to claim 23, said apparatus comprising:
a reproduction device capable of reproducing the plurality of content informations, the plurality of first informations ~~play list sets~~ and the required function information; and a control device for selecting one play list information defining the

reproduction sequence of the content information reproducible by the information reproduction apparatus, from among the plurality of play list informations indicated by one of the first informations ~~included in the same play list set~~ by comparing (i) the reproduction function indicated by the required function information reproduced by the reproduction device with (ii) reproduction function of the information reproduction apparatus indicated by a set function information set for the information reproduction apparatus, and controlling the reproduction device to reproduce the content information in accordance with the reproduction sequence defined by the selected play list information.

40. (previously presented)The information reproduction apparatus according to claim 39, wherein the plurality of content informations includes video information and audio information, the reproduction function is a video reproduction performance and an audio reproduction performance required for the information reproduction system, the required function information is of information indicating the video reproduction performance and the audio reproduction performance recorded for each of the plurality of play list informations, the set function information indicates the video reproduction performance and the audio reproduction performance of the information reproduction apparatus, and the set function information includes information indicating

whether or not the information reproduction apparatus has different video reproduction performances for each of predetermined ranks and information indicating whether or not the information reproduction apparatus has different audio reproduction performances for each of predetermined ranks.

41. (currently amended)An information reproduction apparatus for reproducing the information record medium according to claim 26, said apparatus comprising:

a reproduction device capable of reproducing the plurality of content informations, the plurality of first informations~~play list sets~~ and the required function information; and a control device for selecting one play list information defining the reproduction sequence of the content information reproducible by the information reproduction apparatus, from among the plurality of play list informations indicated by one of the first informations~~included in the same play list set~~ by comparing (i) the video reproduction function and the audio reproduction function indicated by the required function information reproduced by the reproduction device with (ii) video reproduction function and audio reproduction function of the information reproduction apparatus indicated by a set function information set for the information reproduction apparatus, and controlling the reproduction device to reproduce the content information in accordance with the reproduction sequence defined by the selected

play list information, wherein the control device selects one play list information corresponding to the vide reproduction performance or the audio reproduction performance prioritized in accordance with the priority information, from among the plurality of play list informations included in the same play list.

42. (currently amended)An information reproduction method of reproducing the information record medium according to claim 22, said method implemented with an information reproduction apparatus comprising a reproduction device capable of reproducing the plurality of content informations and ~~the plurality of first informations play list sets and the play list informations,~~ said method comprising:

a first control process of selecting one play list information ~~defining the reproduction sequence of the content information reproducible by the information reproduction apparatus,~~ from among the plurality of play list informations indicated by one of the first informations included in the same play list set on the basis of reproduction function of the information reproduction apparatus, and a second controlling process of controlling the reproduction device to reproduce the content information in accordance with ~~the reproduction sequence defined by~~ the selected play list information.

43. (previously presented)A computer program for a record control

to control a computer disposed at the information record apparatus according to claim 33, said program making the computer function as at least a part of the first record device and the second record device.

44. (previously presented) A computer program for a reproduction control to control a computer disposed at the information reproduction apparatus according to claim 37, said program making the computer function as at least a part of the reproduction device and the control device.

45. (currently amended) A data structure, which can be recorded by an information recording apparatus or which can be reproduced by an information reproducing apparatus, including a control signal, said structure comprising:

a plurality of content informations; and a plurality of first informations ~~play list sets~~ each indicating ~~including~~ a plurality of play list informations each defining reproduction sequence of one part of the plurality of content informations, wherein some of the ~~a~~ plurality of content informations, ~~whose reproduction sequences are defined by the plurality of play list informations in a same play list set among the plurality of play list sets,~~ are different from each other in reproduction functions required for an information reproduction system to reproduce the plurality of content informations and are adapted

to at least partially construct titles, each of which is a logically united information unit, reproduction sequence of said some of the plurality of content informations are defined by the plurality of play list informations indicated by one of the first informations ~~and which are same to each other.~~